

10/733, 278

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2079	(564/25\$).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/18 16:25
L2	1474	(564/26\$).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/18 16:25
L3	3165	l1 or l2	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/18 16:26
L4	34727	\$20oxime	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/18 16:27
L5	1279	l3 and l4	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/18 16:27
L6	2306	cyrstal\$10	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/18 16:27
L7	4	l5 and l6	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/18 16:28
L8	77	564/264	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/18 17:12
L9	1342002	ti or titanium	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/18 17:13
L10	252	l9 and l5	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/18 17:13
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NEWS	21 FEB 28	BABS - Current-awareness alerts (SDIs) available
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NEWS	23 MAR 02	GBFULL: New full-text patent database on STN
NEWS	24 MAR 03	REGISTRY/ZREGISTRY - Sequence annotations enhanced
NEWS	25 MAR 03	MEDLINE file segment of TOXCENTER reloaded
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FILE COVERS 1907 - 18 Mar 2005 VOL 142 ISS 13
FILE LAST UPDATED: 17 Mar 2005 (20050317/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> s ti or titanium
    328925 TI
        1058 TIS
    329701 TI
        (TI OR TIS)
    433114 TITANIUM
        78 TITANIUMS
    433124 TITANIUM
        (TITANIUM OR TITANIUMS)
L1      558452 TI OR TITANIUM

=> s catalyst
    683181 CATALYST
    686789 CATALYSTS
L2      875716 CATALYST
        (CATALYST OR CATALYSTS)

=> s 11 and 12
L3      58097 L1 AND L2
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=> s ?oxime
L4      69797 ?OXIME

=> s 13 and 14
L5      284 L3 AND. L4

=> s peroxide
    189205 PEROXIDE
    43867 PEROXIDES
L6      206233 PEROXIDE
        (PEROXIDE OR PEROXIDES)

=> s ?peroxide
L7      267286 ?PEROXIDE

=> s 15 and 17
L8      70 L5 AND L7

=> s crystal?
    1639959 CRYSTAL?
    325626 CRYST
    1798 CRYSTS
    326893 CRYST
        (CRYST OR CRYSTS)
    85626 CRYSTD
    17443 CRYSTG
    220171 CRYSTN
    2301 CRYSTNS
    221449 CRYSTN
        (CRYSTN OR CRYSTNS)
L9      1926444 CRYSTAL?
        (CRYSTAL? OR CRYST OR CRYSTD OR CRYSTG OR CRYSTN)

=> s 18 and 19
L10     7 L8 AND L9

=> d 110 1-7 abs ibib
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L10 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN
 AB The preparation of oximes (e.g., cyclododecanone oxime) from carbonyl compds. (e.g., cyclododecanone) is described using ammonia and hydrogen peroxide in the presence of a Ti-containing catalyst (e.g., TS-1) and a partially water-soluble solvent (e.g., 1-butanol). A process flow diagram is presented.

ACCESSION NUMBER: 2004:525095 CAPLUS

DOCUMENT NUMBER: 141:73321

TITLE: Ammoniation process for the preparation of oximes

INVENTOR(S): Leininger, Stefan; Herwig, Jürgen; Roos, Martin;

PATENT ASSIGNEE(S): Degussa A.-G., Germany

SOURCE: Eur. Pat. Appl., 9 pp.

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1433777	A2	20040630	EP 2003-25637	20031106
EP 1433777	A3	20041103		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
DE 10260717	A1	20040701	DE 2002-10260717	20021223
US 2004167359	A1	20040826	US 2003-733278	20031212
JP 2004203882	A2	20040722	JP 2003-425516	20031222
DE 2002-10260717 A 20021223				

PRIORITY APPLN. INFO.:

L10 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN
 AB Cyclohexanone oxime is prepared in high yield and selectivity by reacting cyclohexanone and/or cyclohexanol in any proportion with an aqueous solution of hydrogen peroxide and ammonia in the presence of a crystalline titanosilicate catalyst (e.g., TS-2) at 40-120°.

ACCESSION NUMBER: 2003:487414 CAPLUS

DOCUMENT NUMBER: 139:21947

TITLE: Oximation process and catalyst for the production of cyclohexanone oxime from the reaction of cyclohexanone and/or cyclohexanol with ammonia and hydrogen peroxide

INVENTOR(S): Reddy, Jale Sudhakar; Sivasanker, Subramanian;

Ratnasaamy, Paul

PATENT ASSIGNEE(S): Council of Scientific and Industrial Research, India

SOURCE: Indian, 16 pp.

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
IN 177060	A	19961026	IN 1990-DE865	19900830
PRIORITY APPLN. INFO.:			IN 1990-DE865	19900830
OTHER SOURCE(S):	CASREACT	139:21947		

L10 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN
 AB The influence of the synthetic process on the catalytic properties of titanium silicalite-1 prepared by mineral materials was studied. The ammonium of cyclohexanone was used to characterize the catalytic activity of the TS-1 samples. Adding seeds or promoter and stirring in TS-1 synthetic process affected the catalytic properties greatly; intracryst. diffusion activity was the main factor that reduced the catalytic properties of TS-1 samples. The TS-1 catalytic properties could be improved greatly by pretreating the TS-1 with H2O2 and H2SO4. With adding-seeds in dynamic state smaller crystal size TS-1 sample was obtained, and after pretreatment the cyclohexanone conversion and oxime yield could reach to 97% and 94%, resp.

ACCESSION NUMBER: 2003:555088 CAPLUS

DOCUMENT NUMBER: 139:339245

TITLE: Catalytic properties of titanium silicalite-1 prepared by mineral materials for cyclohexanone ammoniation

AUTHOR(S): Zhao, Hong; Zhou, Jicheng
COLLEGE OF CHEMICAL ENGINEERING, XIANGTAN UNIVERSITY, XIANGTAN, 411105, PEOP. REP. CHINA

SOURCE: Fanzi Cuihua (2003), 17(3), 193-197

CODEN: FECUEN; ISSN: 1001-3555

PUBLISHER: Kexue Chubanshe

DOCUMENT TYPE: Journal

LANGUAGE: Chinese

OTHER SOURCE(S): CASREACT 139:339245

L10 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN

AB A process for the ammoniation of ketones (e.g., cyclododecanone), using ammonia and hydrogen peroxide in the presence of a homogeneous Ti-containing catalyst, is described along with a method of recovering the oxime product from the catalyst and the removal of reaction water by membrane pervaporation/vapor permeation. A process flow diagram is presented.

ACCESSION NUMBER: 2003:172962 CAPLUS

DOCUMENT NUMBER: 138:206867

TITLE: Process for the ammoniation of ketones and method of recovering the oxime product by membrane pervaporation/vapor permeation

INVENTOR(S): Schiffer, Thomas; Esser, Peter Ernst; Roos, Martin; Kuppingen, Franz-Felix; Stevermueller, Guenter; Thiele, Georg Friedrich

PATENT ASSIGNEE(S): Degussa AG, Germany

SOURCE: Eur. Pat. Appl., 8 pp.

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1288193	A2	20030305	EP 2002-15476	20020712
EP 1288193	A3	20030521		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
DE 10142620	A1	20030320	DE 2001-10142620	20010831
JP 2003176259	A2	20030624	JP 2002-249051	20020828
CN 1406929	A	20030402	CN 2002-132117	20020830
US 2003105356	A1	20030605	US 2002-232371	20020903
US 6639108	B2	20031028		
PRIORITY APPLN. INFO.:			DE 2001-10142620	A 20010831

L10 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN
 AB Title catalysts are prepared by coating supports with sols or gel suspensions containing Si compds., Ti compds., and tetraalkylammonium compds., drying to form gels, steaming under pressure for crystallization of titanosilicates, and calcination. The catalysts are used in epoxidation of olefins, hydroxylation of phenols, or ammoniation of ketones by H2O2. A sol containing (EtO)4Si, (EtO)4Ti, and Pr4N+OH- was added to Carict 30 (silica gel), dried, steamed at 220° for 6 days, and calcined at 550° for 6 h to give a catalyst containing approx. 23 weight titanosilicate. Allyl methacrylate was epoxidized by H2O2 in MeOH using the catalyst at 60° for 2.5 h to give glycidyl methacrylate with 87% selectivity at 96% conversion.

ACCESSION NUMBER: 1999:394580 CAPLUS

DOCUMENT NUMBER: 131:44724

TITLE: Preparation of titanosilicate catalysts and preparation of epoxides, hydroquinones, and ketoximes using hydrogen peroxide and the catalysts

INVENTOR(S): Okamoto, Takanobu; Arakawa, Satoshi

PATENT ASSIGNEE(S): Mitsubishi Gas Chemical Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.

CODEN: JPOXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 11165074	A2	19990622	JP 1997-330202	19971201
PRIORITY APPLN. INFO.:			JP 1997-330202	19971201

L10 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN
 AB The process comprises hydrothermally crystallizing a hydroxide- and salt-free aqueous mixture of colloidal SiO2, a Ti compound, and a tetraalkylammonium compound and NH4OH in NH4OH/tetraalkylammonium mol. ratio (3-200):1. The zeolitic titanium silicate has an x-ray diffraction pattern (measured with Cu-K radiation) as presented, and is used as catalysts, adsorbent, and binder-free catalyst in fluidized-bed, moving-bed, and suspension processes, e.g., the ammoniation of cyclohexanone to cyclohexanoxime. The tetraalkylammonium compound is a tetrapropylammonium halide, e.g., Pr4NBr, or Pr4NCl, and the Ti compound is a Ti alkoxide, e.g., Ti(OEt)4, Ti(OPr)4, that is treated with H2O2.

ACCESSION NUMBER: 1993:475762 CAPLUS

DOCUMENT NUMBER: 119:75762

TITLE: Manufacture of alkali metal-free zeolitic titanium silicate, the alkali metal- and amine-free titanium silicate obtained, and its use

INVENTOR(S): Mueller, Ulrich; Hoelderich, Wolfgang

PATENT ASSIGNEE(S): BASF A.-G., Germany

SOURCE: Eur. Pat. Appl., 13 pp.

CODEN: EPXKDW

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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EP 543247	A1	19920526	EP 1992-119130	19921109
EP 543247	B1	19950913		
R: BE, CH, DE, FR, GB, IT, LI, NL				
DE 4138155	A1	19920527	DE 1991-4138155	19911121
US 5401486	A	19950328	US 1993-164425	19931208
PRIORITY APPLN. INFO.:			DE 1991-4138155	A 19911121
			US 1992-969728	B1 19921030

L10 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN
 AB Oximes are prepared in high yield by ammoniabn. of carbonyl compds. with NH3 and H2O2 in the presence of crystalline zeolites containing Si and Ti, pretreated with H2O2, as catalysts. Stirring (EtO)4Si 544, (iso-PrO)4Ti 24, and 20% Pr4N+OH- 1200 g with distillation of EtOH at 78° and iso-PrOH at 98°, diluting with H2O to 2 L, heating at 175° for 10 days, drying, calcining, heating 3 times with 100 mL 30% H2O2 and 1 L 5% H2SO4 at 70° for 2 h, drying, and calcining gave a catalyst which was used in ammoniabn. of cyclohexanone to the oxime with 87.0% conversion and 81.0% selectivity.

ACCESSION NUMBER: 1998:475735 CAPLUS

DOCUMENT NUMBER: 109:75735

TITLE: Catalytic manufacture of oximes

INVENTOR(S): Roffia, Paolo; Padovan, Mario; Leofanti, Giuseppe; Mantegazza, Maria Angela; De Alberti, Giordano; Tauszik, Giorgio Roberto

PATENT ASSIGNEE(S): Montedipe S.p.A., Italy

SOURCE: Eur. Pat. Appl., 20 pp.

CODEN: EPXKDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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EP 267362	A1	19880518	EP 1987-108577	19870612
EP 267362	B1	19900606		
R: AT, BE, DE, ES, FR, GB, IT, NL, SE				
JP 63130575	A2	19880602	JP 1987-141638	19870608
JP 06010181	B4	19940209		
US 4794198	A	19881227	US 1987-59536	19870608
CA 1279068	A1	19910115	CA 1987-539254	19870609
AT 53380	E	19900615	AT 1987-108577	19870612
PRIORITY APPLN. INFO.:			IT 1986-22346	A 19861114
			IT 1987-19607	A 19870306
			EP 1987-108577	A 19870612

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